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General Purpose Transistors

| Jameco Part # | Manufacturer | Manufacturer Part # | Description | Supplier Package | Transistor Polarity | Maximum Collector Emitter Voltage | Maximum Collector Base Voltage | Minimum DC Current Gain | Price 1 |
|-------------------------|--------------------------|---------------------|--|------------------|---------------------|-----------------------------------|--------------------------------|-------------------------|---------|
| 2245706 | New Jersey Semiconductor | 2N1893 | Transistor 2N1893 Bipolar NPN General Purpose 80V 0.5A TO-39 | TO-39-3 | NPN | 80V | 140V | 40 @ .15A | \$1.49 |
| 2245765 | New Jersey Semiconductor | 2N2218 | Transistor 2N2218 Bipolar NPN 40V 0.8A TO-39 | TO-39-3 | NPN | 40V | 75V | 40 @ .15A | \$1.49 |
| 2245781 | New Jersey Semiconductor | 2N2218A | Transistor 2N2218 Bipolar NPN 40V 0.8A TO-39 | TO-39-3 | NPN | 40V | 75V | 40 @ .15A | \$1.95 |
| 38228 | Major Brands | 2N2219A | Transistor 2N2219A General Purpose NPN 40 Volt 0.8 Amp TO-39 | TO-39-3 | NPN | 40V | 75V | 100 @ .15A | \$0.99 |
| 2245773 | New Jersey Semiconductor | 2N2221 | 30V 0.8A Bipolar NPN Transistor TO-18 | TO-18-3 | NPN | 50V | 75V | 35 @ .01A | \$1.95 |
| 38236 | Major Brands | 2N2222A | 2N2222A NPN Switching Transistor 40V 800mA TO-18 | TO-18-3 | NPN | 40V | 75V | 100 @ .15A | \$1.29 |
| 2245685 | New Jersey Semiconductor | 2N2369 | Transistor 2N2369 Bipolar NPN TO-18 | TO-18-3 | NPN | 15V | 40V | 40 @ .01A | \$1.49 |
| 2303263 | Motorola | 2N2484 | Bipolar Junction Transistor (BJT) NPN 60V 50mA 360mW TO-18 | TO-18 | NPN | 60V | 60V | 250 @ 1mA | \$1.09 |
| 2286039 | Major Brands | 2N2833 | Germanium Power Transistor BJT PNP 75V 20A TO-3 | TO-3 | PNP | 75V | 120V | 25 @ 10mA | \$4.95 |
| 2245677 | New Jersey Semiconductor | 2N2904A | Transistor 2N2094 PNP Switching Bipolar -60V - 0.6A TO-39 | TO-39-3 | PNP | 60V | 60V | 120 @ .15A | \$1.09 |
| 194378 | Major Brands | 2N2905A | Transistor 2N2905A General Purpose PNP 60 Volt 0.6 Amp TO-39 | TO-39-3 | PNP | 60V | 60V | 100 @ .15A | \$1.09 |
| 38279 | Major Brands | 2N2907A | Transistor 2N2907A PNP General Purpose | TO-18-3 | PNP | 60V | 60V | 100 @ .15A | \$1.09 |
| 2245749 | Major Brands | 2N3019 | Transistor 2N3019 NPN Low Power 80V 1A Bipolar TO-5 | TO-5-3 | NPN | 80V | 140V | 50 @ .5A | \$1.95 |
| 38295 | Major Brands | 2N3053 | Transistor 2N3053 General Purpose NPN Small Signal TO-39 | TO-39-3 | NPN | 40V | 60V | 25 @ .15A | \$1.09 |
| 38308 | Major Brands | 2N3055 | Transistor 2N3055 NPN Power Bi Polar Expitaxial Base | TO-3 | NPN | 60V | 100V | 15 @ 10A | \$1.48 |

| Jameco Part # | Manufacturer | Manufacturer Part # | Description | Supplier Package | Transistor Polarity | Maximum Collector Emitter Voltage | Maximum Collector Base Voltage | Minimum DC Current Gain | Price 1 |
|-------------------------|--------------------------|---------------------|---|------------------|---------------------|-----------------------------------|--------------------------------|-------------------------|---------|
| 211406 | Major Brands | 2N3055A | IC 2N3055A High Power Bipolar Transistor 100 volt 15 amp TO-3 | TO-3 | NPN | 60V | 100V | 20 @ 4A | \$2.49 |
| 2245731 | New Jersey Semiconductor | 2N3250 | 40V 0.2A Bipolar PNP Transistor TO-18 | TO-18-3 | PNP | 40V | 50V | 50 @ .01A | \$1.75 |
| 2245722 | New Jersey Semiconductor | 2N3251 | Transistor 2N3251 Bipolar PNP -40V -200mA TO-18 | TO-18-3 | PNP | 40V | 50V | 80 @ .001A | \$1.75 |
| 2303271 | National Semiconductor | 2N3391A | Bipolar Junction Transistor (BJT) NPN 25V 500mA 625mW TO-92-3 | TO-92 | NPN | 25V | 25V | 250 @ 2mA | \$0.59 |
| 2245790 | New Jersey Semiconductor | 2N3496 | Transistor 2N3496 Bipolar PNP 80V 0.01A TO-18 | TO-18-3 | PNP | 80V | 80V | 40 @ .01A | \$1.95 |
| 2303279 | Major Brands | 2N3565 | Transistor NPN 25Vceo 30Vcbo 50mA 625mW TO-92-3 | TO-92 | NPN | 25V | 30V | 70 @ 100uA | \$1.95 |
| 2245714 | New Jersey Semiconductor | 2N3700 | Transistor 2N3700 NPN General Purpose Amplifier 80V 1A TO-18 | TO-18-3 | NPN | 80V | 140V | 50 @ .5A | \$1.49 |
| 2303287 | National Semiconductor | 2N3702 | Bipolar Junction Transistor (BJT) PNP 25V 500mA 625mW TO-92-3 | TO-92-3 | PNP | 25V | 40V | 60 @ -50mA | \$0.35 |
| 783412 | Major Brands | 2N3704 | Transistor 2N3704 General Purpose NPN 30 Volt 0.5 Amp TO-92 | TO-92-3 | NPN | 30V | 50V | 30@.800mA | \$0.59 |
| 209242 | Major Brands | 2N3771 | Transistor 2N3771 TO-3NPN 40 Volt 30 Amp | TO-3 | NPN | 40V | 50V | 15 @ 15A | \$2.25 |
| 2277263 | On Semiconductor | 2N3859A | NPN General Purpose Amplifier 60V 500mA TO-92 | TO-92-3 | NPN | 60V | 60V | 100 @ 1mA | \$0.25 |
| 38359 | Major Brands | 2N3904BU | Transistor 2N3904 NPN General Purpose (bulk) | TO-92-3 | NPN | 40V | 60V | 100 @ .01A | \$0.25 |
| 178597 | Fairchild Semiconductor | 2N3904RLRP | Transistor General Purpose BJT NPN 40V 200mA TO-92-3 (Tape/Reel/Ammo) | TO-92-3 | NPN | 40V | 60V | 100 @ .01A | \$0.25 |
| 62287 | Major Brands | 2N3905 | Transistor General Purpose BJT PNP 40 Volt 0.2 Amp 3-Pin TO-92 | TO-92-3 | PNP | 40V | 40V | 50 @ 10mA | \$0.55 |
| 178618 | Major Brands | 2N3906BU | Transistor 2N3906 PNP SIL General Purpose TO-92 (bulk) | TO-92-3 | PNP | 40V | 40V | 100 @ .01A | \$0.25 |
| 38375 | Major Brands | 2N3906RLRP | <p>Transistor 2N3906 PNP General Purpose (Tape/Reel/Ammo)</p> | TO-92-3 | PNP | 40V | 40V | 100 @ .01A | \$0.25 |
| 2245757 | New Jersey Semiconductor | 2N4036 | Transistor 2N4036 Bipolar PNP 65 Volt 1 Amp TO-39 | TO-39-3 | PNP | 65V | 90V | 40 @ .15A | \$2.49 |
| 2245693 | New Jersey Semiconductor | 2N4037 | Transistor 2N4037 40V 1A Bipolar PNP TO-39 | TO-39-3 | PNP | 40V | 60V | 50 @ .15A | \$1.95 |
| 214623 | Major Brands | 2N4126 | 2N4126 PNP General Purpose Amplifier TO-92 | TO-92-3 | PNP | 25V | 25V | 360 @ .20A | \$0.39 |

| Jameco Part # | Manufacturer | Manufacturer Part # | Description | Supplier Package | Transistor Polarity | Maximum Collector Emitter Voltage | Maximum Collector Base Voltage | Minimum DC Current Gain | Price 1 |
|-------------------------|-------------------------|---------------------|---|------------------|---------------------|-----------------------------------|--------------------------------|-------------------------|---------|
| | | | 25V 200mA | | | | | | |
| 253411 | Major Brands | 2N4400 | Transistor 2N4400 NPN Small Signal 600Ma 40V TO 92 | TO-92 | NPN | 40V | 60V | 150 @ 600mA | \$0.35 |
| 38421 | Major Brands | 2N4401T/R | Transistor 2N4401 NPN General Purpose | TO-92-3 | NPN | 40V | 60V | 100 @ .15A | \$0.25 |
| 783498 | Fairchild Semiconductor | 2N4401TA | Transistor 2N4401 General Purpose Amplifier 40 Volt 0.6 Amp TO-92 | TO-92-3 | NPN | 40V | 60V | 100 @ 150mA | \$0.10 |
| 38447 | Major Brands | 2N4403 | Transistor 2N4403 General Purpose PNP 40 Volt 0.6 Amp TO-92 | TO-92-3 | PNP | 40V | 40V | 100 @ .15A | \$0.25 |
| 2277567 | Motorola | 2N4870 | PNP Unijunction Transistor 30V 1500mA | TO-92-3 | PN | - | - | | \$1.95 |
| 2285063 | Major Brands | 2N4914 | General Purpose BJT NPN Transistor 60V 5A TO-220 | TO-220 | NPN | 60V | 60V | 100 @2.5A | \$3.95 |
| 211490 | Major Brands | 2N4923 | General Purpose NPN BJT Transistor 80V 1A TO-126 | TO-126-3 | NPN | 80V | 80V | 80 @ 1A | \$1.39 |
| 210631 | Major Brands | 2N5087 | Bipolar Junction Transistor (BJT) PNP 50V 100mA 625mW TO-92-3 | TO-92-3 | PNP | 50V | 50V | 250 @ 100uA | \$0.35 |
| 62316 | Major Brands | 2N5088 | 2N5088 - BJT NPN Silicon Amplifier Transistor 30V 0.05A TO-92 | TO-92-3 | NPN | 30V | 35V | 300 @ .05A | \$0.39 |
| 140373 | Major Brands | 2N5179 | Transistor 2N5179 General Purpose NPN 12 Volt 0.05 Amp TO-72 | TO-72-4 | NPN | 12V | 20V | 25 @ 0.003A | \$3.95 |
| 209269 | Major Brands | 2N5194 | Bipolar Junction Transistor (BJT) PNP 60V 4A 40W TO-126 | TO-225-3 | PNP | 60V | 1.2V | 25 @ 1.5A | \$0.59 |
| 2303303 | Major Brands | 2N5210 | Bipolar Junction Transistor (BJT) NPN 50V 100mA 625mW TO-92-3 | TO-92 | NPN | 50V | 50V | 200 @ 100uA | \$0.25 |
| 2285327 | Major Brands | 2N5302 | High-Power BJT NPN Silicon Transistor 60V 30A TO-3 | TO-3 | NPN | 60V | 60V | 15 @ 15A | \$2.95 |
| 210649 | Major Brands | 2N5401 | Transistor 2N5401 TO-92 PNP 150 Volt 300ma | TO-92-3 | PNP | 150V | 160V | 60 @ .01A | \$0.25 |
| 209277 | Major Brands | 2N5657 | 2N5657 Transistor 350V 500mA | TO-126-3 | NPN | 350V | 375V | 30 @ .1A | \$0.49 |
| 2303311 | Motorola | 2N5771 | Bipolar Junction Transistor (BJT) PNP 15V 200mA 350mW TO-92-3 | TO-92-3 | PNP | 15V | 15V | 35 @ 1mA | \$1.95 |
| 2280615 | National Semiconductor | 2N5772 | TO-92 General Purpose NPN Transistor 15V 300mA | TO-92-3 | NPN | 15V | 40V | 30 @ 30mA | \$0.25 |
| 2303319 | Major Brands | 2N5823 | Bipolar Junction Transistor (BJT) PNP 60V 750mA 625mW TO-92-3 | TO-92-3 | PNP | 70V | 70V | 60 @ 2mA | \$0.59 |
| 2277279 | On Semiconductor | 2N5830 | PNP Silicon High Current Transistor 100V 200mA | TO-92-3 | PNP | 100V | 120V | 80 @10mA | \$0.25 |

| Jameco Part # | Manufacturer | Manufacturer Part # | Description | Supplier Package | Transistor Polarity | Maximum Collector Emitter Voltage | Maximum Collector Base Voltage | Minimum DC Current Gain | Price 1 |
|-------------------------|-------------------------|---------------------|---|------------------|---------------------|-----------------------------------|--------------------------------|-------------------------|---------|
| | | | TO-92 | | | | | | |
| 2277287 | On Semiconductor | 2N5831 | NPN Silicon Planar Transistor 140V 600mA | TO-92-3 | NPN | 140V | 160V | 80 @ 10mA | \$1.49 |
| 2280119 | Motorola | 2N6287 | Bipolar Darlington Transistor PNP BJT 100V 20A 160W TO-3 | TO-3 | PNP | 100V | 100V | 750 @ 10A @ 3V | \$4.95 |
| 2303327 | RCA/THOMSON ELECTRONICS | 2N6288 | Bipolar Junction Transistor (BJT) NPN 30V 7A 40W TO-220AB | TO-220-3 | NPN | 40V | 30V | 30 @ 3A | \$0.69 |
| 2286727 | SGS Thomson | 2N6489 | BJT PNP Transistor 40V 15A TO-220 | TO-220-3 | PNP | 40V | 50V | 25 @ 1A | \$1.75 |
| 194618 | Major Brands | 2N6547 | Transistor 2N6547 NPN Power Switching 15 Amp 400V TO-3 | TO-3 | NPN | 400V | 850 | 12 @ 5A | \$4.95 |
| 2286047 | Toshiba | 2SA1302-0 | Silicon PNP Epitaxial BJT Bipolar Transistor 200V 15A | TO-92-3 | PNP | 200V | 200V | 55 @ 1mA | \$3.95 |
| 2277295 | On Semiconductor | 2SA950 | PNP General Amplifier Transistor 25V 800mA TO-92 | TO-92-3 | PNP | 25V | 35V | 100 @ 100mA | \$0.69 |
| 2303375 | Toshiba | 2SC1172B | Silicon Power Transistor NPN 1500V 5A 50W TO-3 | TO-3 | NPN | 600V | 1500V | 10 @ 2A | \$4.95 |
| 2277183 | On Semiconductor | 2SC1854 | NPN BJT 30V 500mA TO-92 | TO-92-3 | NPN | 30V | 50V | 300 @ 50mA | \$1.49 |
| 2277615 | Micro Electronics | BC173C | NPN Transistor Silicon Planar Epitaxial High Gain Low Noise 25V 100mA TO-92 | TO-92 3 | NPN | 25V | 25V | 420 @ 2mA, 5V | \$0.65 |
| 2277623 | Micro Electronics | BC174 | NPN Silicon Planar Transistor 65Vceo 80 Vcbo TO-92 | TO-92-3 | NPN | 65V | 80V | 120 @ 2mA | \$0.79 |
| 2277543 | Motorola | BC182AP | NPN Epitaxial Silicon Amplifier Transistor 60V 100mA TO-92 | TO-92-3 | NPN | 50V | 60V | 120 @ 3mA | \$0.25 |
| 2277551 | Motorola | BC184BP | NPN Silicon Small Signal Transistor 45V 200mA | TO-92-3 | NPN | 30V | 45V | 240 @2mA | \$0.69 |
| 2277639 | Micro Electronics | BC207 | General Purpose Audio Amplifier NPN TO-92 50V 100mA | TO-92-3 | NPN | 45V | 50V | 110 @ 2mA | \$0.99 |
| 2277647 | Micro Electronics | BC207B | General Purpose Audio Amplifier NPN TO-92 50V 100mA | TO-92-3 | NPN | 45V | 50V | 150 @2mA | \$0.89 |
| 2277191 | On Semiconductor | BC212A | PNP Silicon BJT 50V 200mA TO-92 with DC Current Gain 100-300 | TO-92-3 | PNP | 50V | 60V | 100 @ 2mA | \$0.49 |
| 2277655 | Micro Electronics | BC223A | General Purpose Audio Amplifier NPN TO-92 40V 50mA | TO-92-3 | NPN | 40V | 40V | 100 @50mA | \$0.25 |
| 2277199 | On Semiconductor | BC237A | NPN Epitaxial Silicon Transistor TO-92 with DC Current Gain 120-220 | TO-92-3 | NPN | 50V | .83V | 120 @ 2mA | \$0.25 |
| 2277207 | On Semiconductor | BC237C | NPN Epitaxial Silicon Transistor TO-92 with DC Current Gain 380-800 | TO-92-3 | NPN | 50V | .83V | 380 @2mA | \$0.25 |

| Jameco Part # | Manufacturer | Manufacturer Part # | Description | Supplier Package | Transistor Polarity | Maximum Collector Emitter Voltage | Maximum Collector Base Voltage | Minimum DC Current Gain | Price 1 |
|-------------------------|-------------------------|---------------------|--|------------------|---------------------|-----------------------------------|--------------------------------|-------------------------|---------|
| 2277215 | On Semiconductor | BC238A | NPN Epitaxial Silicon Transistor TO-92 with DC Current Gain 120-220 | TO-92-3 | NPN | 30V | 1.05V | 120 @2mA | \$0.25 |
| 2277231 | On Semiconductor | BC239B | NPN Epitaxial Silicon Transistor TO-92 with DC Current Gain 180-460 | TO-92-3 | NPN | 30V | 5V | 180 @2mA | \$0.25 |
| 2277303 | On Semiconductor | BC308B | PNP Epitaxial Silicon Transistor 25V 100mA TO-92 with Current Gain 180-460 | TO-92-3 | PNP | 25V | 30V | 180 @ 2mA | \$0.25 |
| 2277311 | On Semiconductor | BC308C | PNP Epitaxial Silicon Transistor 25V 100mA TO-92 with Current Gain 380-800 | TO-92-3 | PNP | 25V | 30V | 380 @ 2mA | \$0.25 |
| 2277319 | On Semiconductor | BC309A | PNP Epitaxial Silicon Transistor 25V 100mA TO-92 with Current Gain 120-220 | TO-92-3 | PNP | 25V | 30V | 120 @ 2mA | \$0.25 |
| 1215986 | Fairchild Semiconductor | BC327 | Transistor BC327 General Purpose PNP 45 Volt 0.8 Amp | TO-92-3 | PNP | 45V | 50V | 100 @ .10A | \$0.25 |
| 254810 | Major Brands | BC337 | Transistor BC337 TO-92 NPN 800ma 45 Volt | TO-92-3 | NPN | 45V | 50V | 250 @ 800mA | \$0.25 |
| 2277503 | On Semiconductor | BC546B | BC546B NPN Epitaxial Silicon Transistor 80V 100mA TO-92 | TO-92-3 | NPN | 65V | 80V | 110 @ 2mA | \$0.25 |
| 2277359 | On Semiconductor | BC547A | NPN Epitaxial Silicon Transistor 50V 100mA TO-92 | TO-92-3 | NPN | 45V | 50V | 110 @2mA | \$0.25 |
| 254801 | Major Brands | BC547B | Transistor BC547B TO-92 Transistor NPN Switch | TO-92-3 | NPN | 45V | 50V | 330 @ .002A | \$0.22 |
| 254799 | Major Brands | BC547C | Transistor BC547C TO-92 Transistor NPN Switch | TO-92-3 | NPN | 45V | 50V | 600 @ .002A | \$0.25 |
| 254781 | Major Brands | BC548B | Transistor BC548B TO-92 Transistor NPN Switch | TO-92-3 | NPN | 30V | 30V | 110 @ .002A | \$0.25 |
| 2169521 | On Semiconductor | BC557C | BC557C BJT PNP Transistor | TO-92-3 | PNP | 45V | 50V | 800 @ -2A | \$0.25 |
| 2277367 | On Semiconductor | BC640-016 | Transistor BC640-016G PNP Silicon High Current - 80V 500mA TO-92 | TO-92-3 | PNP | 80V | 80V | 100 @ 150mA | \$0.29 |
| 2290727 | Major Brands | BC807-25-TP | Bipolar (BJT) Transistor PNP 45V 500mA 100MHz 300mW Surface Mount SOT-23 | SOT-23-3 | PNP | 45V | 50V | 160 @ .1A @ 1V | \$0.25 |
| 2132293 | Motorola | BD158 | Transistor BD158 Low Power Fast Switching NPN 500ma 300 Volt TO-126 | TO-126-3 | NPN | 300V | 325V | 30 @ .05A | \$0.49 |
| 2288375 | Bourns | BD242 | Bipolar Junction Transistor PNP 45V 3A TO-220 | TO-220-3 | PNP | 45V | 45V | 20 @ 500mA | \$0.49 |
| 2288383 | Bourns | BD242A | Bipolar Junction Transistor PNP 60V 3A TO-220 | TO-220-3 | PNP | 60V | 70V | 20 @ 500mA | \$0.49 |
| 2281295 | Major Brands | BD437 | TO-220 NPN Epitaxial Silicon Transistor 45V 4A | TO-220-3 | NPN | 45V | 45V | 30 @ 10mA | \$0.49 |
| 2287847 | Bourns | BD543B-S | Bipolar Junction Transistor NPN 80V 8A TO-220 | TO-220-3 | NPN | 80V | 80V | 20 @ 500mA | \$0.69 |
| 2277663 | Micro Electronics | BF240 | NPN RF Transistor TO-92 40V 50mA | TO-92-3 | NPN | 40V | 40V | 65 @1 mA | \$0.25 |
| 2280127 | STMicroelectronics | BUV48Q | Bipolar Transistor NPN BJT 450V 15A 125W TO-218 | TO-218-3 | NPN | 450V | 850V | 8 @8A | \$3.95 |

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|---------------|-------------------------|---------------------|---|------------------|---------------------|-----------------------------------|--------------------------------|-------------------------|---------|
| 2289055 | Major Brands | CA3146E | High Voltage 5-Transistor Array 14-Pin | PDIP-14 | NPN | 30V | 40V | 100 @ 1mA | \$4.95 |
| 903710 | Fairchild Semiconductor | FJA4313OTU | Transistor BJT NPN 250V 17A TO-3P | TO-3 | NPN | 250V | 250V | 35 @ 7A | \$1.49 |
| 2277151 | Fairchild Semiconductor | KSA1013OBU | PNP Expitaxial Silicon Transistor TO-92 | TO-92-3 | PNP | 160V | 160V | 60 @ -200mA | \$0.35 |
| 2305087 | TI | LM395T | Bipolar Junction Transistor (BJT) NPN 36V 2200mA TO-220-3 | TO-220-3 | NPN | 36V | 36V | n/a | \$3.29 |
| 1052638 | Major Brands | MJ15003 | Bipolar Junction Transistor (BJT) NPN 140V 20A 2MHz 250W TO-3 | TO-3 | NPN | 140V | 140V | 25 @ 5A | \$3.95 |
| 1052700 | Major Brands | MJ15004 | Bipolar Junction Transistor (BJT) PNP 140V 20A 2MHz 250W TO-3 | TO-3 | PNP | 140V | 140V | 25 @ 5A | \$3.95 |
| 211502 | Major Brands | MJ2955 | Transistor MJ2955 TO-3 PNP Silicon Power 60 Volt | TO-3 | PNP | 60V | 100V | 20 @ 4A | \$1.95 |
| 2285007 | Motorola | MJE1123 | General Purpose BJT PNP Transistor 40V 4A TO-220 | TO-220-3 | PNP | 40V | 50V | 225@4A | \$0.49 |
| 2285111 | Motorola | MJE15301 | General Purpose BJT PNP Transistor 150V 8A TO-220 | TO-220-3 | PNP | 150V | 150V | 40@8A | \$1.49 |
| 2287703 | On Semiconductor | MJE170 | Transistor BJT PNP 40V 3A TO-225 | TO-225-3 | PNP | 60V | 40V | 250@3A | \$0.49 |
| 25831 | Major Brands | MJE2955T | Transistor MJE2955T General Purpose PNP 60 Volt 10 Amp TO-220AB | TO-220-3 | PNP | 60V | 70V | 20 @ 4A | \$0.79 |
| 25857 | Major Brands | MJE3055T | Transistor MJE3055T General Purpose NPN 60 Volt 10 Amp TO-220 | TO-220-3 | NPN | 60V | 70V | 20 @ 4A | \$0.79 |
| 2281319 | Motorola | MJE8502 | TO-220 NPN Power Transistor 700V 5A | TO-220-3 | NPN | 700V | 700V | 750 @1.5A | \$1.95 |
| 2303447 | Motorola | MMBT2222L | Bipolar Junction Transistor (BJT) NPN 30V 600mA 300mW SOT-23-3 | SOT-23-3 | NPN | 30V | 60V | 100 @ 150mA | \$0.25 |
| 2295719 | On Semiconductor | MMBT2484LT1G | Transistor Bipolar (BJT) NPN 60V 100mA 225mW Surface Mount SOT-23-3 | SOT-23-3 | NPN | 60V | 60V | 250 @ 0.001A | \$0.25 |
| 2303455 | Major Brands | MMBT4403LT1 | Bipolar Junction Transistor (BJT) PNP 40V 600mA 300mW SOT-23-3 | SOT-23-3 | PNP | 40V | 40V | 100 @ 150mA | \$0.25 |
| 26446 | Major Brands | MPQ2222 | Transistor MPQ2222 NPN GP Small Signal Quad | DIP-14 | NPN | 30V | 60V | 300@500mA | \$3.95 |
| 26454 | Major Brands | MPQ2907 | 40V 600mA PNP Bipolar Transistor 14-Pin DIP | DIP-14 | PNP | 40V | 60V | 100 @ .15A | \$3.95 |
| 210673 | Major Brands | MPS2222A | Transistor MPS2222A General Purpose NPN TO-92 | TO-92-3 | NPN | 40V | 75V | 40 @ .50A | \$0.25 |
| 211342 | Major Brands | MPS2907A | MPS2907A - General Purpose PNP Silicon Transistor TO-92 | TO-92-3 | PNP | 60V | 60V | 100 @ .15A | \$0.25 |
| 2277255 | On Semiconductor | MPS2924 | NPN Small Signal General Purpose Amplifier 25V | TO-92-3 | NPN | 25V | 25V | 150@ 2mA | \$0.25 |

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|-------------------------|-------------------------|---------------------|--|------------------|---------------------|-----------------------------------|--------------------------------|-------------------------|---------|
| | | | 100mA TO-92 | | | | | | |
| 2277335 | On Semiconductor | MPS3393 | PNP General Purpose Amplifier 25V 100mA TO-92 | TO-92-3 | PNP | 25V | 25V | 90 @ 2mA | \$0.39 |
| 2277375 | On Semiconductor | MPS6513 | NPN General Purpose Amplifier 30V 200mA TO-92 | TO-92-3 | NPN | 30V | 40V | 90 @ 2mA | \$0.25 |
| 1945031 | Fairchild Semiconductor | MPS6515 | Transistor MPS6515 General Purpose NPN 25 Volt 0.2 Amp TO-92 | TO-92-3 | NPN | 25V | 40V | 250 @ .002A | \$0.25 |
| 2277383 | On Semiconductor | MPS6520 | NPN General Purpose Amplifier 25V 100mA TO-92 | TO-92-3 | NPN | 25V | 40V | 100 @100mA | \$0.45 |
| 2277391 | On Semiconductor | MPS6565 | NPN General Purpose Amplifier 45V 200mA TO-92 | TO-92-3 | NPN | 45V | 60V | 160@ 10mA | \$0.19 |
| 26462 | Major Brands | MPSA06 | Transistor MPSA06 General Purpose NPN 80 Volt 0.5 Amp TO-92 | TO-92-3 | NPN | 80V | 80V | 100,000 @ .01A | \$0.29 |
| 800690 | NXP Semiconductors | MPSA12 | SS T092 DL XSTR NPN 20V, MPSA12, NXP Semiconduct | TO-92-3 | NPN | 20V | 20V | 20000 @ 10mA | \$0.25 |
| 210681 | Major Brands | MPSA18 | Transistor MPSA18 TO-92 NPN General Purpose BIPO Low Noise 45 Volt | TO-92-3 | NPN | 45V | 45V | 500 @ .001A | \$0.49 |
| 178546 | Major Brands | MPSA42 | Transistor MPSA42 NPN 300 Volt TO-92 | TO-92-3 | NPN | 300V | 300v | 25 @ 300mA | \$0.29 |
| 2277343 | On Semiconductor | MPSL51 | PNP General Purpose Amplifier 100V 200mA TO-92 | TO-92-3 | PNP | 100V | 100V | 40 @50mA | \$0.25 |
| 260558 | NTE Electronics | NTE123AP | Transistor NTE123AP General Purpose Audio Amplifier NPN TO-92 | TO-92-3 | NPN | 40V | 60V | 500 @ 600mA | \$0.89 |
| 261121 | NTE Electronics | NTE6410 | Transistor NTE6410 UJT 30 Volt 300mw TO-92 | TO-92-3 | PN | 2.5V | 35V | | \$4.95 |
| 2303503 | Major Brands | PMBT3904 | Bipolar Junction Transistor (BJT) NPN 40V 200mA 250mW TO-236AB | TO-236AB | NPN | 40V | 60V | 100 @ 10mA | \$0.25 |
| 28628 | Major Brands | PN2222 | Transistor PN2222 General Purpose NPN 30 Volt 0.6 Amp | TO-92-3 | NPN | 30V | 60V | 100 @ .15A | \$0.25 |
| 178511 | Major Brands | PN2222ABU | Transistor PN2222A NPN Silicon General Purpose TO-92 | TO-92-3 | NPN | 40V | 75V | 100 @ .15A | \$0.39 |
| 787536 | Fairchild Semiconductor | PN2222ATRA | Transistor PN2222A General Purpose NPN 40 Volt 1 Amp TO-92 | TO-92-3 | NPN | 40V | 75V | 300 @ .15A | \$0.39 |
| 2290207 | Major Brands | PN2243A | NPN Transistor 80V 120hFE 150mA TO-92 | TO-92-3 | NPN | 80V | 120V | 120 @ 15mA | \$0.89 |
| 178520 | Major Brands | PN2907ABU | Transistor PN2907A PNP SIL General Purpose BJT TO-92 | TO-92-3 | PNP | 60V | 60V | 100 @ .15A | \$0.25 |
| 2290591 | Major Brands | PN2907ATA | PN2907A Transistor PNP SIL General Purpose Amplifier TO-92 | TO-92-3 | PNP | 60V | 60V | 100 @ .15A @ 10V | \$0.25 |
| 28644 | Major Brands | PN2907BU | Transistor PN2907 General Purpose PNP 40 Volt 0.6 Amp TO-92 | TO-92-3 | PNP | 40V | 60V | 100 @ .15A | \$0.25 |

| Jameco Part # | Manufacturer | Manufacturer Part # | Description | Supplier Package | Transistor Polarity | Maximum Collector Emitter Voltage | Maximum Collector Base Voltage | Minimum DC Current Gain | Price 1 |
|-------------------------|-------------------------|---------------------|--|------------------|---------------------|-----------------------------------|--------------------------------|-------------------------|---------|
| 787608 | Major Brands | PN3565 | PN3565 - NPN General Purpose Amplifier TO-92 25V 0.5A | TO-92-3 | NPN | 25V | 30V | 150 @ .001A | \$0.89 |
| 277413 | Major Brands | PN3567 | Transistor PN3567 NPN General Purpose 40V 600Ma TO-92 | TO-92-3 | NPN | 40V | 80V | 120 @ 600mA | \$0.89 |
| 787616 | Major Brands | PN3568 | Transistor PN3568 General Purpose NPN 60 Volt 1 Amp TO-92 | TO-92-3 | NPN | 60V | 80V | 40 @ .03A | \$0.99 |
| 2277167 | Fairchild Semiconductor | PN4258 | PNP Switching BJT 12V 200mA TO-92 | TO-92-3 | PNP | 12V | 12V | 30 @ 10mA | \$0.99 |
| 1944951 | Micro Electronics | PN4355 | Transistor PN4355 General Purpose PNP 60 Volt 0.8 Amp TO-92 | TO-92-3 | PNP | 60V | 60V | 5 @ .05A | \$0.25 |
| 2277351 | On Semiconductor | PN5130 | NPN Small Signal Transistor 30V 50mA TO-92 | TO-92-3 | NPN | 12V | 30V | 250 @ 80mA | \$0.25 |
| 1069051 | Fairchild Semiconductor | PZT2907A | Bipolar Junction Transistor (BJT) PNP 60V 600mA 1W SOT-223 | SOT-223 | PNP | 60V | 60V | 100 @ 150mA | \$0.35 |
| 2285671 | Major Brands | RCS258 | 60V NPN General Purpose BJT Transistor TO-3 | TO-3 | NPN | 60V | 100V | 15 @ 20A | \$4.95 |
| 2291207 | Fairchild Semiconductor | SS8050DTA | Bipolar Transistor BJT NPN Epitaxial Silicon 25V 1500mA 100MHz 1W TO-92-3 | TO-92 | NPN | 25V | 40V | 160 @ 0.1A | \$0.29 |
| 2291215 | Fairchild Semiconductor | SS8550DTA | Bipolar Transistor BJT PNP Epitaxial Silicon 25V 1500mA 200MHz 1W TO-92-3 | TO-92 | PNP | 25V | 40V | 45 @ -0.005A | \$0.29 |
| 2290735 | Major Brands | STA401A | Bipolar (BJT) Transistor Array 4 NPN Darlington (Quad) 60V 4A 4W Through Hole SIP-10 | SIP 10 | NPN | 60V | 60V | 1000 @ 3A @ 4V | \$3.39 |
| 297772 | Motorola | TIP101 | Bipolar BJT Transistor NPN Darlington 80V 8A 2W Through Hole TO-220AB | TO-220-3 | NPN | 80V | 80V | 1000 @ 3A | \$0.69 |
| 1097220 | Major Brands | TIP29A | <p>NPN General Purpose BJT Transistor 60V 1A TO-220</p> | TO-220-3 | NPN | 60V | 60V | 15 @ 1A | \$0.69 |
| 297781 | Fairchild Semiconductor | TIP29C | Transistor TIP29C TO-220 NPN Epitax 100 Volt 1 Amp | TO-220-3 | NPN | 100V | 100V | 75 @ 1A | \$0.59 |
| 2290583 | Major Brands | TIP3055 | Transistor Bipolar (BJT) NPN 60V 15A 2.5MHz 90W Through Hole TO-218 | TO-218-3 | NPN | 60V | 100V | 20 @ 4A @ 4V | \$0.89 |
| 211385 | Major Brands | TIP3055G | Transistor TIP3055 NPN 60 Volt 15 Amp Case 340D-02 | TO-247-3 | NPN | 60V | 100V | 5 @ .001A | \$1.49 |
| 33030 | Major Brands | TIP30A | Bipolar (BJT) Transistor PNP 60V 1A 3MHz 30W TO-220-3 | TO-220-3 | PNP | 60V | 60V | 15 @ 1A | \$0.99 |
| 179346 | STMicroelectronics | TIP30C | Transistor TIP30C General Purpose PNP 100 Volt 1 Amp TO-220AB | TO-220-3 | PNP | 100V | 100V | 15 @ 1A @ 4V | \$0.59 |
| 33048 | Major Brands | TIP31A | Transistor TIP31A General Purpose 60 Volt 3 Amp | TO-220-3 | NPN | 60V | 60V | 10 @ 3A | \$0.59 |

| Jameco Part # | Manufacturer | Manufacturer Part # | Description | Supplier Package | Transistor Polarity | Maximum Collector Emitter Voltage | Maximum Collector Base Voltage | Minimum DC Current Gain | Price 1 |
|---------------|-------------------------|---------------------|---|------------------|---------------------|-----------------------------------|--------------------------------|-------------------------|---------|
| | | | TO-220 | | | | | | |
| 179354 | Fairchild Semiconductor | TIP31C | Transistor TIP31C General Purpose BJT NPN 100 Volt 3 Amp TO-220 | TO-220-3 | NPN | 100V | 100V | 10 @ 3A | \$0.59 |
| 33064 | Major Brands | TIP32A | Transistor TIP32A General Purpose PNP 60 Volt 3 Amp TO-220 | TO-220-3 | PNP | 60V | 60V | 10 @ 3A | \$0.49 |
| 880976 | NXP Semiconductors | TIP32B | TRANSISTOR,BIP,T0-220 PKG,PNP,3A,80V,TIP32B | TO-220-3 | PNP | 80V | 80V | 10 @ 3A | \$0.99 |
| 181841 | Major Brands | TIP32C | TIP32C PNP Bipolar Power Transistor 100 Vceo TO-220 | TO-220-3 | PNP | 100V | 100V | 10 @ 3A | \$0.55 |
| 890568 | Major Brands | TIP35CG(TO-218) | Transistor TIP35C General Purpose NPN 100 Volt 25 Amp TO-247 | TO-247-3 | NPN | 100V | 100V | 25 @ 1.5A | \$2.25 |
| 2284111 | Major Brands | TIP35CG(TO-247) | Bipolar (BJT) Transistor NPN 100V 25A 3MHz 125W THM TO-247 | TO-247-3 | NPN | 100V | 100V | 15 @ 15A @ 4V | \$1.59 |
| 890592 | STMicroelectronics | TIP36C | Transistor TIP36C General Purpose PNP 100 Volt 25 Amp TO-247 | TO-247-3 | PNP | 100V | 100V | 25 @ 1.5A | \$1.95 |
| 787991 | National Semiconductor | TIP41 | Transistor BJT NPN 40V 6A TO-220AB | TO-220-3 | NPN | 40V | 40V | 15 @ 3A | \$0.99 |
| 179371 | Major Brands | TIP41C | TIP41C NPN Bipolar Power Transistor 100 Vceo TO-220 | TO-220-3 | NPN | 100V | 100V | 15 @ 3A | \$0.59 |
| 803946 | NXP Semiconductors | TIP42 | Bipolar Junction Transistor (BJT) PNP 40V 6A 2W TO-220-3 | TO-220-3 | PNP | 40V | 40V | 15 @ 3A | \$0.75 |
| 139580 | Major Brands | TIP42C | TIP42C PNP Bipolar Power Transistor 100 Vceo TO-220 | TO-220-3 | PNP | 100V | 100V | 15 @ 3A | \$0.79 |
| 288631 | Major Brands | TIP48 | Bipolar (BJT) Transistor NPN 300V 1A 10MHz 2W Through Hole TO-220-3 | TO-220-3 | NPN | 300V | 400V | 30 @ .3A | \$0.69 |
| 1098206 | Fairchild Semiconductor | TIP50 | Bipolar Junction Transistor (BJT) NPN 400V 1A 10MHz 2W TO-220AB | TO-220-3 | NPN | 400V | 500V | 30 @300mA | \$0.69 |
| 2277159 | Fairchild Semiconductor | TN3440A | NPN General Purpose Amplifier 250V 100mA TO-92 | TO-92-3 | NPN | 250V | 300V | 40 @ 20 mA | \$0.25 |
| 2277583 | Diodes Incorporated | ZTX450 | Bipolar Transistor (BJT) NPN 45V 1A 150MHz 1W E-Line TO-92 | TO-92-3 | NPN | 45V | 60V | 100 @150mA | \$0.29 |
| 2303583 | Major Brands | ZTX750 | Bipolar Junction Transistor (BJT) PNP 60V 6A 1W E-Line TO-92 | TO-92 | PNP | 45V | 60V | 70 @ 50mA | \$0.89 |